

QUINAZOLINE DERIVATIVE

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Abstract

PURPOSE: To obtain a new compound useful for protecting cardiac muscle and preventing and treating inflammations such as foot edema, having inhibitory action on intake of adenosine.

CONSTITUTION: This compound is shown by formula I [R<2> to R<5> are each H or a lower alkyl; R<6> are R<8> are each H or hydroxy; (n) is 0-2; X-Y is a group of formula II or formula III (R<1> is H or an aryl; R<9> is H or an alkenyl)] or its salt such as N-(2,6-dichloro-4-nitrophenyl)-4-(1,2,3,4 tetrahydro-1,6-dimethyl-2,4- dioxoquinazol in-3-yl)-1-piperidineacetamide. The compound is obtained by reacting a compound of formula IV with 1-10 equivalent of a compound of formula V (X is Cl or Br) optionally in the presence of a base in a solvent such as methanol at room temperature to the boiling point of the solvent for 10 minutes to 48 hours.